A STUDY ON USAGE OF INFORMATION AND COMMUNICATION TECHNOLOGY IN THE GOVERNMENT SECONDARY SCHOOLS OF BIHAR

A RESEARCH PROPOSAL

SUBMITTED FOR THE PARTIAL FULFILMENT OF THE REQUIREMENT

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IN

EDUCATION

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Rationale of the Study

The researcher feels that the present study will help teachers and school organizations to use ICT in Schools and help them appreciate the learning that the schools and teachers make plan with various ICT programs to make ICT more beneficial and more interesting for students.

The Present study focuses on the availability and uses of ICT in Schools so the researcher fells that teachers of the schools will be the harbinger for the study. At present, the teachers have a number of issues in their schools with respect to the availability and uses of ICT. The researcher perceives that the study will motivate teachers to use ICT essentially and to make ICT more interesting for students.

REVIEW OF THE RELATED LITERATURE

Vasanthi and Hema (2003) conducted a study on Effectiveness of Teaching Chemistry through Computer Assisted Instruction. The objective of the study was to study the effectiveness of teaching chemistry through computer assisted instruction over the traditional teaching method. The researcher reported that there is significant difference between the mean gain score of the control group taught.

Kaur (2013) conducted a study on attitude and practice of B.Ed. Trainees towards ICT in Teaching. The objectives of the study were to analyze attitude and practice of B.Ed. trainees toward ICT, to identify the problems faced by B.Ed. trainees in use of ICT during teaching. The researcher reported that the attitude of trainees towards the use of ICT in teaching practice, 83% of B.Ed. trainees have a positive attitude towards the use of ICT, 10% of trainees are neutral and only 7% are negative in their attitude towards the use of ICT in teaching practice

Watkar (2014) conducted a study on Effectiveness of ICT in Teacher Education: An experimental study. The objective of the study was to find out the instructional effect of ICT on the basis of the achievement of the student. The researcher reported that teaching with the help of ICT is more effective than the traditional method of teaching.

The knowledge of related literature, brings the researcher up to-date on the work which others have done and thus to state the objective clearly and concisely. By reviewing the related literature the researcher can avoid unfruitful and useless

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problem areas. Through the review of related literature, the researcher can avoid unintentional duplication of well-established findings. It is no use to replicate a study when the stability and validity of its result have been clearly established. The review of related literature gives the researcher an understanding of the research methodology which refers to the way the study is to be conducted. It helps the researcher to know about the tools and instruments which proved to be useful and promising in the previous studies. The advantage of the related literature is also to provide insight into the statistical method through which validity of results it to be established. The important specific reason for reviewing the related literature is to know about recommendations of previous researchers listed in their studies for further research.

Statement of the problem

Keeping in view the changing pattern of education system in general and that of introduction of ICT in the Secondary School in particular the investigator had decided to conduct the study with a title.

"A Study on usage of Information and Communication Technology (ICT) in the government schools of Bihar .

Operational Definitions

ICT

Information and communication technology (ICT) refers to all the technology used to handle telecommunication, broad cast media, intelligent building management systems, audio-visual processing and transmission system, and network-based control and monitoring functions. Although ICT is often considered an extended synonym for information technology (IT), its scope is more broad. ICT has more recently been used to describe the convergence of several technologies and the use of common transmission line carrying very diverse data and communication types and formats. The use of ICT in the school in the present study will be measured in the terms of the administration of a self-developed tool on use of ICT in schools.

Objectives of the study

(i) To study the use of information communication technology in the government secondary schools of Bihar .

(ii) The study will help the Government much more in taking decisions in making government policies for the benefit of teachers ,students and societies etc.

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Research Question

Will the government school teachers of Bihar show favorable perception towards the use of ICT in the school?

Method

In order to accomplish the objectives of the present investigation survey method of research will be used. It is designed to obtain information about current status of phenomenon. It may be focused to investigate what exist with respect to condition in present study.

Main purpose of survey method is to determine the overall effectiveness of the any programme and suggest important measures as necessary. Method is the broad way or approach that we generally follow in conducting the research work. As the basic objective of the present study is the use of information and communication technology (ICT) in the Government secondary Schools of Bihar, hence the study under investigation demands comprehensive as well as intensive mode of data collection. In view of such nature of the study under investigation it comes under survey method of descriptive type of research.

Population

The Study will be conducted in Bihar state.

Sample

This study is to find the use of ICT in Schools of Begusarai district (Bihar), Sampling is based on 500 teachers. In the present study the investigator has selected the sample by adopting purposive sampling procedure by giving special attention to the use of ICT in government Schools . The investigator has also used the purposive sampling procedure in the selection of Schools from which the sample is drawn. Considering time as important factor, the investigator has taken only 500 School teachers as the sample of the Bihar.

Tool

In conducting research the investigator reports some techniques or devices for gathering facts or data for the relevant field. These data gathering device are called research tool.

Techniques of Analysis and Interpretation

Keeping in mind the objectives of the study, the investigator of the study used descriptive analysis techniques for the interpretation of the research question. As such the percentage wise analysis of the items of the questionnaire was made for the purpose of interpretation.

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